PTO/SB/21 (08-03)

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	FORM			First Named Inventor	Howard Kaufman		
	(to be used for all correspondence after initial filing)			Art Unit	1641		
				Examiner Name	to be assigned		
	; Total Number of Pages in	This Submission	42	Attorney Docket Number	5199-49		
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Howard Kaufman, et al.

Docket No.:

5199-49

Serial No.:

10/789,627

Examiner:

to be assigned

Filed:

February 26, 2004

Group Art Unit: 1641

Title:

COMPOSITION FOR DELIVERING AN AGENT TO A TARGET

CELL AND USES THEREOF

December 10, 2004

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.97(b)

Sir:

In accordance with the duty of disclosure under 37 CFR §1.56, applicant hereby notifies the U. S. Patent and Trademark Office of the following documents, which are listed on the attached PTO/SB/08A and PTO/SB/08B forms. The examiner may deem these documents to be relevant to patentability of the claims of the above-identified application. Copies of the documents are enclosed for the examiner's convenience.

The submission of the listed documents is not intended as an admission that any of the documents constitute prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Applicants respectfully request that the listed documents be considered by the examiner and be made of record in the present application and that initialed copies of Forms PTO/SB/08A and PTO/SB/08B be returned in accordance with MPEP §609.

It is understood that no fee is necessary for submission of this Information Disclosure Statement, because it is being filed before the later of three months from the filing date or the mailing of the first Office Action on the merits. The Commissioner is hereby authorized to charge payment of any fees associated with this application or credit any overpayment to Deposit Account No. 02-4270.

Respectfully submitted,

Todd Holmbo

Reg. No. 42,665

Attorney for Applicants

BROWN RAYSMAN MILLSTEIN

FELDER & STEINER LLP

163 Madison Avenue

P.O. Box 1989

Morristown, New Jersey 07962-1989

(973) 775-8930

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Substitute for form 1449/PTO

Sheet 1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known				
Application Number	10/789,627			
Filing Date	02/26/04			
First Named Inventor	Howard Kaufman			
Art Unit	1641			
Examiner Name	to be assigned			
Attorney Docket Number	5199-49			

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 6,150,584	11-21-2000	Kucherlapati, et al.	
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		^{US-} 6,162,963	12-19-2000	Kucherlapati, et al.	
		us- 6,278,039	08-21-2001	Johnson, et al.	
		^{US-} 6,448,080	09-10-2002	Ward, et al.	
		^{US-} 6,461,864	10-08-2002	Soriano, et al.	
		^{US-} 6,479,284	11-12-2002	Marasco, et al.	
		^{US-} 6,503,712	01-07-2003	Thukral, et al.	
		US- 20020006664	01-17-2002	Sabatini, D.M.	
		^{US-} 20030017549	01-23-2003	Owens, et al.	
		^{US-} 20030018993	01-23-2003	Gutterson, et al.	
		US-			

Examiner Cite Initials* No.1		Foreign Patent Document	preign Patent Document Publication Date		Pages, Columns, Lines, Where Relevant Passages	
		Country Code ^{3 -} Number ^{4 -} Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T ⁶
		WO9932619	12-20-2001	Mushegian, etal		
		WO0129058	04-26-2001	Mello, et al.		
		WO0168836	09-20-2001	Beach, et al.		
		WO0196584	12-20-2001	Mushegian, etal		

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PTO/SB/08B (08-03)

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<u> </u>	Complete if Known	
Application Number	10/789,627	
Filing Date	02/26/04	
First Named Inventor	Howard Kaufman	
Art Unit	1641	
Examiner Name	to be assigned	
Attorney Docket Number	5199-49	

		NON PATENT LITERATURE DOCUMENTS			
Examiner Cite No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
		Agterberg et al., Outer membrane PhoE protein of Escherichia coli as a carrier for foreign antigenic determinants: immunogenicity of epitopes			
		of foot-and-mouth disease virus.			
		Vaccine, 8: 85-91, 1990 (N/A)			
		Allen et al., The identification, cloning and mutagenesis of a genetic locus required for lipopolysaccharide biosynthesis in Bordetella pertussis.			
		Mol. Microbiol., 19: 37-52, 1996			
		Arakawa et al., Mutant loxP vectors for selectable marker recycle and conditional knock-outs.			
		BMC Biotechnol., 1: 7, 2001			
		Ashrafi et al., Genome-wide RNAi analysis of Caenorhabditis elegans fat regulatory genes.			
		Nature, 421: 268-272, 2003			

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Examiner	Date	
Signature	Considered	

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INF	ORMATION	DIS	CLOSURE	Filing Date	02/26/04	
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Sheet	2	of	38	Attorney Docket Number	5199-49	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Austin et al., A first step in the development of gene therapy for colorectal carcinoma: cloning, sequencing, and expression of Escherichia coli	
		cytosine deaminase.	
		Mol. Pharmacol., 43: 380-387, 1993	
		Ausubel et al., eds., Current Protocols in Molecular Biology (New York, NY: John Wiley & Sons, Inc., 2001)	
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		J. Bacteriol., 177: 2087-2097, 1995	

Examiner	Date	
Signature	Considered	

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	Substitute for form 1449/PTO			Complete if Known		
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INF	ORMATION	DIS	CLOSURE	Filing Date	02/26/04	
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Sheet	3	of	38	Attorney Docket Number	5199-49	

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		Baumler et al., The lpf fimbrial operon mediates adhesion of Salmonella typhimurium to murine Peyer's patches.	
		Proc. Natl. Acad. Sci. USA, 93: 279-283, 1996	
		Beers and Berkow (eds.), The Merck Manual of Diagnosis and Therapy, 17th ed. (Whitehouse Station, NJ: Merck Research Laboratories, 1999)	
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		Belanger et al., Functional analysis of genes responsible for the synthesis of the B-band O antigen of Pseudomonas aeruginosa serotype	
		O6 lipopolysaccharide.	
		Microbiology, 145: 3505-3521, 1999	
		Bentala et al., Removal of phosphate from lipid A as a strategy to detoxify lipopolysaccharide.	
		Shock, 18: 561-566, 2002	

Examiner	Date	
Signature	 Considered	

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Sheet	4	of	38	Attorney Docket Number	5199-49	

		NON PATENT LITERATURE DOCUMENTS	
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		Bignami et al., N-(4'-hydroxyphenylacetyl) palytoxin: a palytoxin prodrug that can be activated by a monoclonal antibody-penicillin G amidase	
		conjugate.	
		Cancer Res., 52: 5759-5764, 1992	
		Billy et al., Specific interference with gene expression induced by long, double-stranded RNA in mouse embryonal teratocarcinoma cell lines.	
		Proc. Natl. Acad. Sci. USA, 98: 14428-14433, 2001	
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		J. Bacteriol., 143: 926-933, 1980	

Examiner	Date
Signature	Considered

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INF	ORMATION	DIS	CLOSURE	Filing Date	02/26/04	
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Sheet	5	of	38	Attorney Docket Number	5199-49	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Boder et al., Yeast surface display for directed evolution of protein expression, affinity, and stability.	i
		Methods Enzymol., 328: 430-444, 2000	
		Bone, R. C., Gram-negative sepsis. Background, clinical features, and intervention.	
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		J. Bacteriol., 184; 2389-2398, 2002	

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Signature	Considered	

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STATEMENT BY APPLICANT				First Named Inventor	Howard Kaufman	
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Sheet	6	of	38	Attorney Docket Number	5199-49	

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		Cairns et al., Lymphotactin expression by engineered myeloma cells drives tumor regression: mediation by CD4+ and CD8+ T cells and	
		neutrophils expressing XCR1 receptor.	
		J. Immunol., 167: 57-65, 2001	
		Carneiro et al., p27 deficiency desensitizes Rb-/-cells to signals that trigger apoptosis during pituitary tumor development.	
		Oncogene, 22: 361-369, 2003	
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		of ornithine decarboxylase, tyrosine aminotransferase and of enzymes involved in fatty acid and glycerolipid synthesis.	
		Biochem. Pharmacol., 35: 2655-2661, 1986	
		Charbit et al., Presentation of two epitopes of the preS2 region of hepatitis B virus on live recombinant bacteria.	
		J. Immunol., 139: 1658-1664, 1987	

Examiner	Date	
Signature	Considered	

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		Cheng et al., Activated protein C blocks p53-mediated apoptosis in ischemic human brain endothelium and is neuroprotective.	
		Nat. Med., 9(3): 338-342, 2003	
		Christmann et al., Epitope mapping and affinity purification of monospecific antibodies by Escherichia coli cell surface display of gene-derived random	
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		Chu et al., Toward highly efficient cell-type-specific gene transfer with retroviral vectors displaying single-chain antibodies.	
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		Clairmont et al., Biodistribution and genetic stability of the novel antitumor agent VNP20009, a genetically modified strain of Salmonella typhimurium.	
		J. Infect. Dis., 181: 1996-2002, 2000	

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Examiner		Date	
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	Cite No.1	Cite No.¹ Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. Ng et al., An anti-transferrin receptor-avidin fusion protein exhibits both strong proapoptotic activity and the ability to deliver various molecules into cancer cells. Proc. Natl. Acad. Sci. USA, 99: 10706-10711, 2002 Nikolaev et al., Parc. A cytoplasmic anchor for p53. Cell, 112, 29-40, 2003 Nishiyama et al., Antineoplastic effects in rats of 5-fluorocytosine in combination with cytosine deaminase capsules. Cancer Res., 45: 1753-1761, 1985 Norris et al., Phase variation of the lpf operon is a mechanism to evade cross-immunity between Salmonella serotypes.

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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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